U.S. Department of Commerce

Strategic Area 2.1: K-12 EDUCATION – STEM

<u>Objective 2.1.a</u>: Data, Funding and Programs – For this section, the Agency should identify grant opportunities, programs, or initiatives that benefit Hispanic students in STEM education and/or increase the participation of Hispanic students in STEM programs and education. This may include any programs that may benefit students, teachers, parents, or the general population as a whole. In addition, report on how the Agency considers and collects demographic data on the Latino population and diversity within it (e.g. ethnic and/or gender) to create relevant funding models and policies.

Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Point of Contact	Performance Outcomes *(Goals/Objectives)*
1. **¡Descubra! Smithsonian Latino Center Family Day events (United States Patent and Trademark Office-USPTO)** http://latino.si.edu/Education/Descubra ¡Descubra! includes ¡Descubra! speakers serving as role models and presenting about their work and experiences. This includes demonstrations as well as question and answer sessions. The USPTO is a ¡Descubra! collaborating organization and as such provides information, science demonstrations, and/or related hands-on activities for families to learn about intellectual property, STEM and themes of the day.	4 events FY15	15,577	50%		Juan Valentin Juan.valentin@uspto.gov	a. Encourage conversations and the active learning process for kids, teens, and families with science professionals to discuss their work, answer questions, share videos and hand-outs, demonstrate easy hands-on activities, and/or highlight model objects that showcase the themes of the day. b. ¡Descubra! brings science practitioners to the museum and inspires the next generation of science citizens.

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2.	**Noche de Ciencias – Society of Hispanic Professional Engineers (SHPE).** The USPTO and SHPE-USPTO affinity group collaborate to host a Noche de Ciencia event to promote STEM and STEM careers to the northern Virginia community. http://mars.shpe.org/nila/usb/handbook/Chapter%2010%20Noche_De_Ciencias_Guidelines12.pdf	Nov. 2015	400	30%		Juan Valentin Juan.valentin@uspto.gov	a. Promote knowledge and interest in STEM among the Hispanic community. b. Inspire Hispanic youth to pursue STEM degrees and careers. c. Host hands-on STEM activities designed for high school students. d. Host STEM Panel which provides a college presentation for students and bilingual parent workshops discussing college and education costs and how to help their child (ren) go to college.
3.	**Robotics Grasp and Go collaboration with Hispanic Heritage Foundation and KID Museum:** In celebration of National Robotics Week, the Hispanic Heritage Foundation (HHF) in collaboration with the KID Museum and the United States Patent and Trademark Office (USPTO) held a hands-on Robotics experience at 2 DC metro area schools. 2017 National Robotics Week Events: http://www.nationalroboticsweek.org/Events?y=2015	Spring 2015	80	60%		Juan Valentin Juan.valentin@uspto.gov	Introduce students from underrepresented neighborhoods to an explorative robotics experience by taking them through different robotics experiences. utilizing hands on activities.

4.	Partner with the **DC Department of Employment Services (DOES)** to participate in the Mayor Marion S. Barry Summer Youth Employment Program (SYEP) and partner with **McKinley Technology Education Campus to place STEM students in Commerce SYEP positions**. **(OHRM)** http://does.dc.gov/service/2016-mayor-marion-s-barry-summer-youth-employment-program	6 weeks during the summer (June 29 to August 7, 2015)	Washington, DC residents, ages 14-24 are eligible to apply. Must be a student for a placement at Commerce	Demographic data not collected	None	DOES website: http://does.dc.gov/service/2016-mayor-marion-s-barry-summer-youth-employment-program Commerce contact: Melissa Herrera MHerrera@doc.gov	a. Recruit and prepare students for public service careers. b. Increase awareness of the Commerce mission. c. Fill temporary staffing needs.
5.	**Middle School Science Teacher Program (NIST)** The NIST Summer Institute brings together teachers and NIST scientists and engineers for two weeks of hands-on science based on the cutting edge measurement science research at NIST, and designed to match the middle school curricula http://www.nist.gov/iaao/teachlearn/application-process.cfm	Annual	30	N/A	$30,000	Mary.satterfield@nist.gov	Using a two week workshop, train middle school science teachers in activities that can strengthen science classes, especially subject matter related to measurement.

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Objective 2.2.b: Communication and Outreach – This section should include information on how the Agency conducts outreach to the Hispanic community, specifically to students, institutions of higher education, and stakeholders, to make them aware of funding opportunities and activities that help recruit Hispanic students into the teaching profession and/or support the recruitment and/or retention of Hispanic teachers.

Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Point of Contact	Performance Outcomes *(Goals/Objectives)*
1. **Texas Education Service Center 19 STEM Conference, EL Paso (USPTO)**	February	100	50%		Jorge Valdez	
2. **Great Minds in STEM HENAAC Conference (USPTO)** As the nation's most prestigious stage for honoring excellence and building and reinforcing networks, the HENAAC Conference is the place where thousands of the finest minds from top executives and innovative professionals, to the brightest STEM students conven**e** http://www.greatmindsinstem.org/conference/conference-home	October 5-9, 2016	30	30%		Jorge Valdez	

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Strategic Area 3: POSTSECONDARY EDUCATION AND WORKFORCE DEVELOPMENT/TRAINING

Objective 3.1.a: Data, Funding and Programs – For this section, the Agency should identify grant opportunities, programs, and any activities, initiatives, or resources that support either job training or educational activities leading to degrees and certificates, including provision of grants and scholarships. Include efforts or partnerships with institutions of higher education, including Hispanic-Serving Institutions, that support or strengthen postsecondary education and workforce training completion. In addition, report on how the Agency considers and collects demographic data on the Latino population and diversity within it (e.g. ethnic and/or gender) to create relevant funding models and policies. Note: Do not include information collected through the annual MSI Data call led by the U.S. Department of Education's HBCU Initiative.

Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Point of Contact	Performance Outcomes *(Goals/Objectives)*
The MSI Data call captures all of the information that otherwise would be reported in this section.						

Objective 3.1.b: Internships and Fellowships – In this section, the Agency should identify internship and fellowship opportunities available to students, including Hispanic students. The Agency may also include if it has any partnerships with other national or regional educational or Latino organizations, such as the Congressional Hispanic Caucus Institute or Hispanic Association of Colleges and Universities to offer these opportunities in an effort to increase postsecondary education and workforce training completion.

Strategic Activity	Timeframe	Total Population Served	Hispanic Students Served	Funding	Point of Contact	Performance Outcomes *(Goals/Objectives)*
1. Hold information sessions on applying for Census federal jobs at HSIs **(Census)** http://www.census.gov/about/census-careers/opportunities.html	Internships held 2/2/15 thru 5/13/15	40,365 (based on visits to HSI campuses)	Specific number unknown, however, 13 Hispanic participants were hired through HACU	$124,578	Illena Cruz-Vega ileana.e.cruz.vega@census.gov	Place university students/graduates in mission critical occupations and accounting, budget, human resources, and procurement positions.

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2.	Advertise the below **Pathways' Program positions**, where students, including those of Hispanic origin, may apply. • Internship Program • Recent Graduate program • Presidential Management Fellows Program	As needed/ requested by hiring manager	Current students and recent graduates	All demographics are eligible to apply,	Cost of Full Time Equivalent position	Farhan Qureshy FQureshy@doc.gov Melissa Herrera MHerrera@doc.gov	a. .Promote employment opportunities for students and recent graduates. b.Recruit a diverse workforce. c.Provide developmental experiences in the Federal Government.
3.	Partner with the **DC Department of Employment Services (DOES)** to participate in the **Mayor Marion S. Barry Summer Youth Employment Program (SYEP)**. **(OHRM)** • http://does.dc.gov/service/2016-mayor-marion-s-barry-summer-youth-employment-program • http://does.dc.gov/ • http://hr.commerce.gov/index.htm	6 weeks during the summer (Dates in FY15 were June 29 to August 7, 2015)	Washington, DC residents, ages 14-24 are eligible to apply. Must be a student for a placement at Commerce.	Demographic data not collected.	None	DOES website: http://does.dc.gov/service/2016-mayor-marion-s-barry-summer-youth-employment-program Commerce contact: Melissa Herrera MHerrera@doc.gov	a.Recruit and prepare students for public service careers. b.Increase awareness of the Commerce mission. c.Fill temporary staffing needs.
4.	**Summer Undergraduate Research Fellowship (NIST)** http://www.nist.gov/surf/	Annual	300	10	$5000/student	Brandi Toliver Brandi.toliver@nist.gov	Train students to conduct original scientific research under the direction of a mentor and as part of a research team.
5.	**Summer High School Internship (NIST)** http://www.nist.gov/ohrm/staffing/ship.cfm	Annual	45	5	None	ship@nist.gov	Train students to conduct original scientific research under the direction of a mentor and as part of a research team.

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Objective 3.1.c: **Workforce Diversity** – In this section, the Agency should include any activities, investments, outreach and/or recruiting programs intended to diversify the Agency's workforce, including activities, investments, outreach and/or recruiting programs designed to create awareness of professional opportunities and increase the recruitment and hiring of Hispanics.

Strategic Activity	Timeframe	Total Population Served	Hispanic students Served	Funding	Point of Contact	Performance Outcomes *(Goals/Objectives)*
1. Participate in the **Society for the Advancement of Chicanos and Native Americans in Science (NIST)** http://sacnas.org/events/national-conf	Annual	3,000	1000	$10,000	Donna Kimball Donna.kimball@nist.gov	a. Raise awareness of agency employment and grant programs. b. NIST staff serve as judges and panel members to share their technical expertise.